

18304 U.S. PTO  
031904

PATENT  
USA.348

2387 U.S. PTO  
10/804310  
031904

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John S. Stockwell,  
Raymond M. Soliz, Stephen A. Ruatta,  
and Jon Jody Fong

) Attorney Docket No.: USA.348

Title: Gas Bubble Removal from Ink-  
Jet Dispensing Devices

) Express Mail Label No.: EU824529426US

Date Filed: March 19, 2004

) Customer No.: 022514

**MS PATENT APPLICATION**  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate Under 37 CFR §1.10  
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March 19, 2004  
Date of Deposit  
Carol Cerrato  
Name  
Carol Cerrato  
Signature

**UTILITY PATENT APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of Inventor(s): John S. Stockwell,  
Stephen A. Ruatta, Jon Jody Fong, Raymond Mathew Soliz.

**APPLICATION ELEMENTS**

1. **Fee Transmittal Form.**
2. **Type of Application.**

This new application is for a(n) *(check one applicable item below)*:

- ☒ Original
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-in-part (CIP) of Prior Application No.:  
Examiner: Group Art Unit:

3. **Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

☒ Pages of Specification      Total Pages: 23

- ☒ Drawings - Formal                      Total Sheets:    8
- ☒ Oath or Declaration and Power of Attorney for  
Patent Application
- ☒ Newly executed (original or copy)
- ☐ Copy from a prior application (37 CFR 1.63(d))

**4. Additional Papers Enclosed.**

- ☒ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449  
Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

**5. Inventorship.**

The inventorship names and addresses for all the claims in this application are:

John S. Stockwell, 13286 Dyer St., Sylmar, Ca 91342  
Raymond Mathew Soliz, 27666 Nugget Drive #6, Santa Clarita, Ca 91387  
Stephen A. Ruatta, 1501 Marengo Ave., South Pasadena, Ca 91030  
Jon Jody Fong, 23691 Summit Dr., Calabasas, Ca 91302

**6. Language.**

- ☒ English

Dated: 3/19/04



Ralph D'Alessandro  
Reg. No. 28,838  
Attorney for Applicants

3D Systems, Inc.  
26081 Avenue Hall  
Valencia, CA 91355  
(661) 295-5600, ext. 2404

☒ **Statement Where No Further Pages Added.**

☒ **This Transmittal Ends With This Page.**

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$425.00

## Complete if Known

Application Number	To be determined
Filing Date	March 19, 2004
First Named Inventor	John S. Stockwell
Examiner Name	To be assigned
Art Unit	To be assigned
Attorney Docket No.	USA.348

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number

20-0900

Deposit  
Account  
Name

3D Systems, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below		Fee Paid
Total Claims				
12	-20** = 0	X	9.00 = 0.00	
Independent Claims	3 - 3** = 0	X	43.00 = 0.00	
Multiple Dependent				

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) \$0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

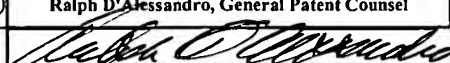
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \$40.00

## SUBMITTED BY

Name (Print/Type)	Ralph D'Alessandro, General Patent Counsel	Registration No. (Attorney/Agent)	28,838	Telephone	(661) 295-5600, ext. 2404
Signature		Date	March 19, 2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	John S. Stockwell
Title	GAS BUBBLE REMOVAL FROM INK-JET DISPENSING DEVICES
Atty Docket Number	USA.348

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

March 19, 2004

Date



Signature

661-295-5600 ext. 2486

Telephone number

Ralph D'Alessandro

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**